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Leibniz
Universität
Hannover

Oberseminar

zur

Algebra und Algebraischen Kombinatorik

PD Dr. Jürgen Müller
(Leibniz Universität Hannover)

"On tensor products of path algebras of Type A"

We derive a formula for the Coxeter polynomial of the s -fold tensor product $\bigotimes_{i=1}^s F[\vec{A}_{n_i-1}]$ of path algebras of linearly oriented quivers of Dynkin type A_{n_i-1} , in terms of the weights $n_1 \dots n_s \geq 2$, and show that conversely the weights can be recovered from the Coxeter polynomial of the tensor product.

Our results have applications in singularity theory, in particular these algebras occur as endomorphism algebras of tilting objects in certain stable categories of vector bundles.

This is joint work with Lutz Hille.

Montag, 12.11.2012
ab 14:15 Uhr, Raum a410
Hauptgebäude der Leibniz Universität Hannover

Alle Interessierten sind herzlich eingeladen.

gez. Prof. Dr. C. Bessenrodt

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